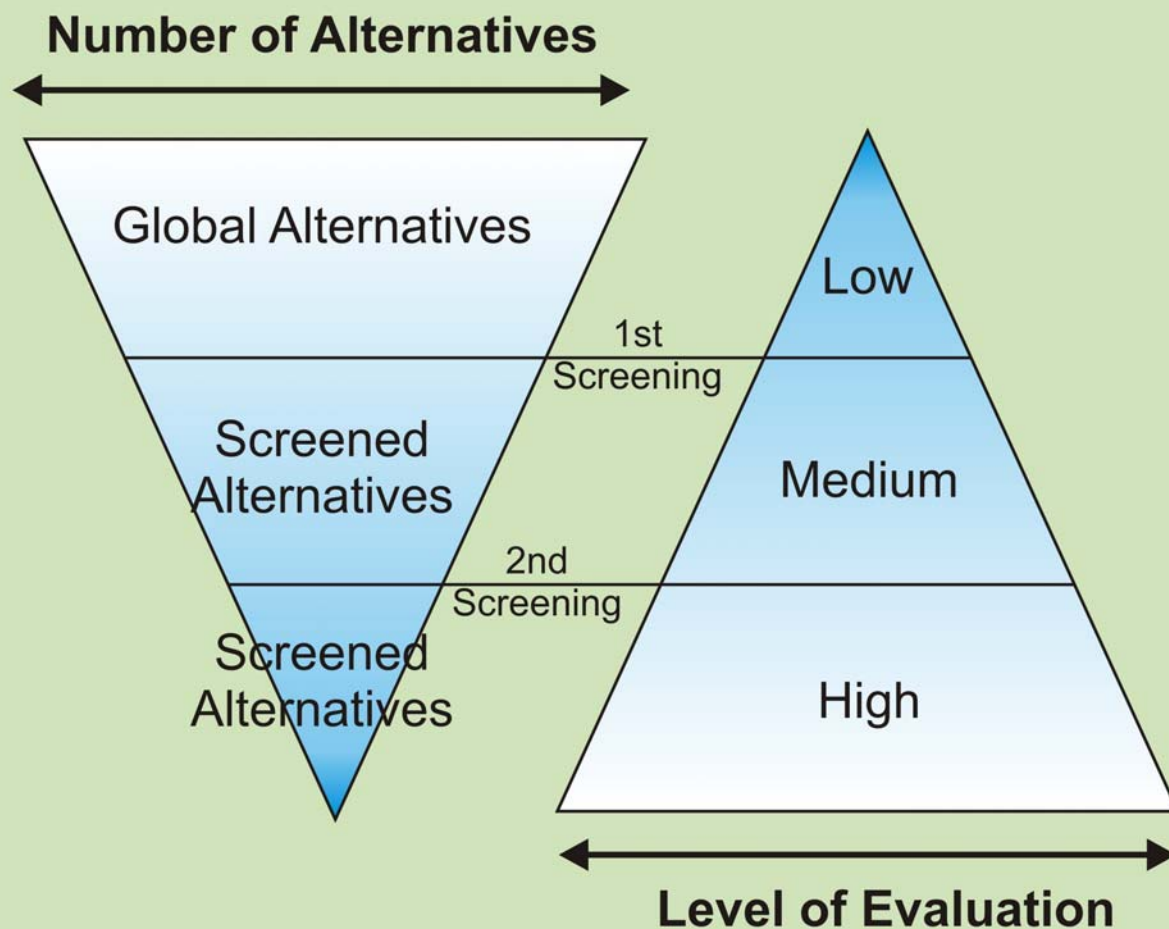


# Community Sounding Board

July 11, 2007

# Screening Process



# PURPOSE & NEED

## Three-fold Purpose and Need of the Project:

- ◆ Address current and projected traffic demand and operations for the South Layton Interchange (I-15 Exit 330)
- ◆ Provide grade-separated transportation access across the Union Pacific Railroad to the developing area of west Layton
- ◆ Provide adequate transportation facilities and traffic capacity west of I-15 to relieve existing and projected traffic congestion on Gentile Street

# Screening Process

- 1<sup>st</sup> Level—Purpose and Need
  - Refined screening for Purpose and Need
- 2<sup>nd</sup> Level—Environmental fatal flaws



## YEAR 2030 NO-BUILD ALTERNATIVE

June 8, 2007



### Legend:

— LOS A, B, C, & D  
— LOS E  
— LOS F

5 = Number of lanes per 2030 No-Build Alternative  
5 = Required number of lanes per alternative, different than No-Build Alternative

### Notes:

"No-Build" Alternative includes 2030 roadway improvements currently on City's Master Plan and WFRC long range plan











## ALTERNATIVE 2G—YEAR 2030

June 25, 2007



Legend:		Notes:
	LOS A, B, C, & D	Full Interchange at approx. 700 South, 7 lanes on 700 South between Flint Street and Fort Lane, New 5-lane collector between Gentile and 200 N
	LOS E	
	LOS F	
	= Number of lanes per 2030 No-Build Alternative	
	= Required number of lanes per alternative, different than No-Build Alternative	



## ALTERNATIVE 2H—YEAR 2030

June 25, 2007



Legend:		Notes:
<span style="color: green;">—</span> LOS A, B, C, & D	<span style="border: 1px solid black; padding: 2px;">5</span> = Number of lanes per 2030 No-Build Alternative	Full interchange at approx. 700 South, 5 lanes on 700 South between Flint Street and Fort Lane, New 5-lane collector between Gentile and 200 N Widen 200 North to 7 lanes between Legacy Parkway and I-15
<span style="color: orange;">—</span> LOS E	<span style="border: 1px solid black; padding: 2px;">5</span> = Required number of lanes per alternative, different than No-Build Alternative	
<span style="color: red;">—</span> LOS F		



## ALTERNATIVE 2I—YEAR 2030

June 25, 2007



DRAWING NOT TO SCALE

### Legend:

— LOS A, B, C, & D  
— LOS E  
— LOS F

   = Number of lanes per 2030 No-Build Alternative  
   = Required number of lanes per alternative, different than No-Build Alternative

### Notes:

Full Interchange at approx. 700 South,  
 5 lanes on 700 South between Flint Street and Fort Lane,  
 New 5-lane collector between Gentile and 200 N  
 7 lanes on Hill Field Road between 1700 West and I-15



## ALTERNATIVE 3C—YEAR 2030

June 25, 2007



Legend:		Notes:
<span style="color: green;">—</span> LOS A, B, C, & D	<span style="border: 1px solid black; padding: 2px;">5</span> = Number of lanes per 2030 No-Build Alternative	Full Interchange at I-15 and Gentle Street Widen Gentle to 5 lanes from Angel Street to I-15 New 5 lane collector between Gentle and 200 North
<span style="color: orange;">—</span> LOS E	<span style="background-color: yellow; border: 1px solid black; padding: 2px;">6</span> = Required number of lanes per alternative, different than No-Build Alternative	
<span style="color: red;">—</span> LOS F		







## ALTERNATIVE 5E—YEAR 2030

June 8, 2007



Legend:		Notes:
<span style="color: green;">—</span> LOS A, B, C, & D	<span style="border: 1px solid black; padding: 2px;">5</span> = Number of lanes per 2030 No-Build Alternative	Hill Field Road 7 lanes from Layton Hills Mail Interchange to Sugar St Fly-over from West Gordon to East Gordon Widen Sugar Street and King Street to 5 lanes New 5 lane collector between Gentile and 200 North
<span style="color: orange;">—</span> LOS E	<span style="background-color: yellow; border: 1px solid black; padding: 2px;">5</span> = Required number of lanes per alternative, different than No-Build Alternative	
<span style="color: red;">—</span> LOS F		



## ALTERNATIVE 5F—YEAR 2030

June 8, 2007



DRAWING NOT TO SCALE

### Legend:

LOS A, B, C, & D  
LOS E  
LOS F

Number of lanes per 2030 No-Build Alternative  
Required number of lanes per alternative, different than No-Build Alternative

### Notes:

Hill Field Road 7 lanes from Layton Hills Mall Interchange to Sugar St  
Fly-over from West Gordon to East Gordon  
Widen Sugar Street and King Street to 5 lanes  
New 5 lane collector between Gentle and 200 North  
Widen 200 North to 7 lanes between Angel & I-15



# 1<sup>st</sup> Level Screening

- CSB Meeting April 25<sup>th</sup>
  - Reviewed LOS Corridor Analysis
  - King Street Extension
- CSB Meeting May 2<sup>nd</sup>
  - Eliminated Alternates 1 and 5
  - Added additional Sub-Alternates on Alt. 2
    - Combine 1 & 2 (2H)
    - Combine 1, 2 & 5 (2I)

# Analysis since Last Meeting

- Intersection LOS Analysis for remaining alternatives
- June 26<sup>th</sup> TAC meeting



# Refined P&N Screening

- Gentile and Main intersection fails in every sub-alternative for Alternate 3
- King St. extension will be included in City's Master Plan
- Alternate 3C screened out ?



## 2<sup>nd</sup> Level Screening (Environmental)

- Federal regulations require special effort to preserve the natural beauty of public park & recreation lands, wildlife & waterfowl refuges, and historic sites
- Impacts to Section 4(f) properties are allowed only if:
  - There is no prudent & feasible alternative to using that land and
  - The project includes all possible planning to minimize harm to the Section 4(f) property resulting from the project
- Section 4(f) properties along Gentile Street include:
  - Historic Commercial Buildings
  - Historic Houses
  - Park / Recreation property
- Historic Structures are eligible for Section 4(f) if:
  - Structure is at least 45 years old
  - Has historic integrity and value
  - No major alterations (siding, roofing, windows, additions, etc)



# Alternates 3 & 4 Centerline





# Alternates 3 & 4 North-shift





# Alternate 3 & 4 West of Flint



## 2<sup>nd</sup> Level Screening

- Significant historical property impacts for either centerline or north-shift alignments
- Eliminate Alternate 4?